**Snow Day Problem and Project**

**Problem:**

How many of you wish we had more snow days?

How can we convince people in Central Office when to give us a snow day?

It is your job to convince people in Central Office when to give the district a snow day. In order to do this, you must demonstrate your knowledge and understanding of the various weather concepts and how these concepts affect the weather in our region. The “important people” in the district will not believe you unless you are an expert in the field. It is necessary to be able to **predict the weather**, **determine between a basic or severe weather condition,** and **observe data from past weather conditions**. Finally, you will then **communicate your weather prediction to the district** in a presentation of your choosing. (The presentation format must be approved by your teacher.)

You will be given three days in class to complete the research for your presentation. Also you will be given two days in class to put together and practice your presentation with your group. Any extra work to be completed needs to be done at home. Your group’s presentation, at least 5 minutes long, will be presented to the class and videotaped in order to share with Central Office.

On your research days, you will need to become experts in the field of weather. The concepts that you will need to understand include but are not limited to:

* Pressure
* Humidity
* Wind
* Temperature
* Weather tools
* Weather forecasting
* Local Climate (specifically Colorado Springs)
* Any others you feel would be helpful…

In order to gain knowledge about these concepts, it will be necessary to research the information in books and on the internet. It might also be necessary to complete various labs in order to gain a better understanding of weather. **It is your job to decide what will help you best!**

After discussing with your group, you will be completing a daily planner indicating the key concepts and labs you will be completing and when. Each person in your group will also need to be assigned a job. Decide as a group the jobs and responsibilities for each person. Once your daily planner is complete, bring it to your teacher to discuss and get it checked off.

Throughout the project, your teacher will walk around and grade you on your behavior and work ethic. Also, at the end of the project, a confidential grading sheet will be given to each student to grade the other members in your group. Each of these grades will be added into your final grade for the project. It is therefore necessary for you to cooperate with your group and complete your assigned duties.

**THIS PROJECT IS A PERFORMANCE- ASSESSMENT AND IS WORTH 200 POINTS.**

**Important Dates:**

**Research Days/Presentation Work Days:**

Wednesday 12/1

Thursday 12/2

Friday 12/3

Tuesday 12/7

Wednesday 12/8

**Presentations:**

Thursday 12/9

Friday 12/10